

WHAT IS CLAIMED IS:

1. A vehicle door operation system for operating a first door and a second door provided to a vehicle, comprising:
 - 5 a sending means provided to either the first door or the second door for sending a request signal;
 - a portable station for sending an ID information in response to the request signal;
 - a receiving means provided to the vehicle for receiving the ID information sent from the portable station;
 - 10 a judging means provided to the vehicle for judging whether or not the ID information sent from the portable station is correct;
 - an object detecting means provided to the first door for detecting an object;
 - an opening operation means provided to the second door and operated for opening the second door; and
 - 15 a first control means for switching the first door and the second door from a locked condition to an unlocked condition when the ID information is verified as correct information by the judging means, and either an object detecting signal from the object detecting means or an opening operation signal from the opening operation means is input thereinto.
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2. A vehicle door operation system according to claim 1, wherein a second control means is provided to the vehicle for actuating a supporting means supporting the second door relative to the vehicle to release the second door when the ID information is verified as correct information by the judging means, and the opening operation signal from the opening operation means is input thereinto.
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3. A vehicle door operation system according to claim 1, wherein the first door and the second door are provided in line.
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4. A vehicle door operation system according to claim 2, wherein the first door and the second door are provided in line.
- 5 5. A vehicle door operation system according to claim 1, wherein the object detecting means is comprised of an electrical capacitance sensor for detecting a human approach.
- 10 6. A vehicle door operation system according to claim 2, wherein the object detecting means is comprised of the electrical capacitance sensor for detecting a human approach.
- 15 7. A vehicle door operation system according to claim 3, wherein the object detecting means is comprised of the electrical capacitance sensor for detecting a human approach.
- 20 8. A vehicle door operation system according to claim 1, wherein the portable station carried by a user of the vehicle includes a receiving antenna, a sending antenna, a sending and receiving circuit and a key control means.
- 25 9. A vehicle door operation system according to claim 1, wherein the first control means provided to the vehicle is connected to the receiving means and the sending means.
10. A vehicle door operation system according to claim 2, wherein the second control means provided to the second door is connected to the opening operation means.

11. A vehicle door operation system according to claim 3, wherein the first door and the second door are provided on one side of the vehicle.

12. A vehicle door operation system according to claim 4, wherein the first
5 door and the second door are provided on one side of the vehicle.